

ROKA, Pal; FOLDESI, Erno (Gyor); RIEPERGER, Laszlo; SEY, Dezso
(Gyor); BALAZS, Jozsef (Debrecen); GROSZ, Istvan (Szekesfehervar);
DANI, Janos (Szeged); BODOGH, Istvan; DALOCZA, Gabor, dr.;
LAZAR, Laszlo; BAKOS, Karoly, fomernek (Budapest); FABIAN,
Laszlo, nyugdijas mernok; SZEP, Jozsef

Report on the Executive Committee session of the Scientific
Association of the Wood Industry in Gyor. Falpar 14 no.6:
161-163 Je '64.

1. President, Scientific Association of the Wood Industry
(for Roka).
2. Deputy Head, Wood industry Research Institute (for Dalocsa).
3. Head, Committee on Education, Scientific Association of
the Wood Industry (for Lazar).

BALAZS, J.

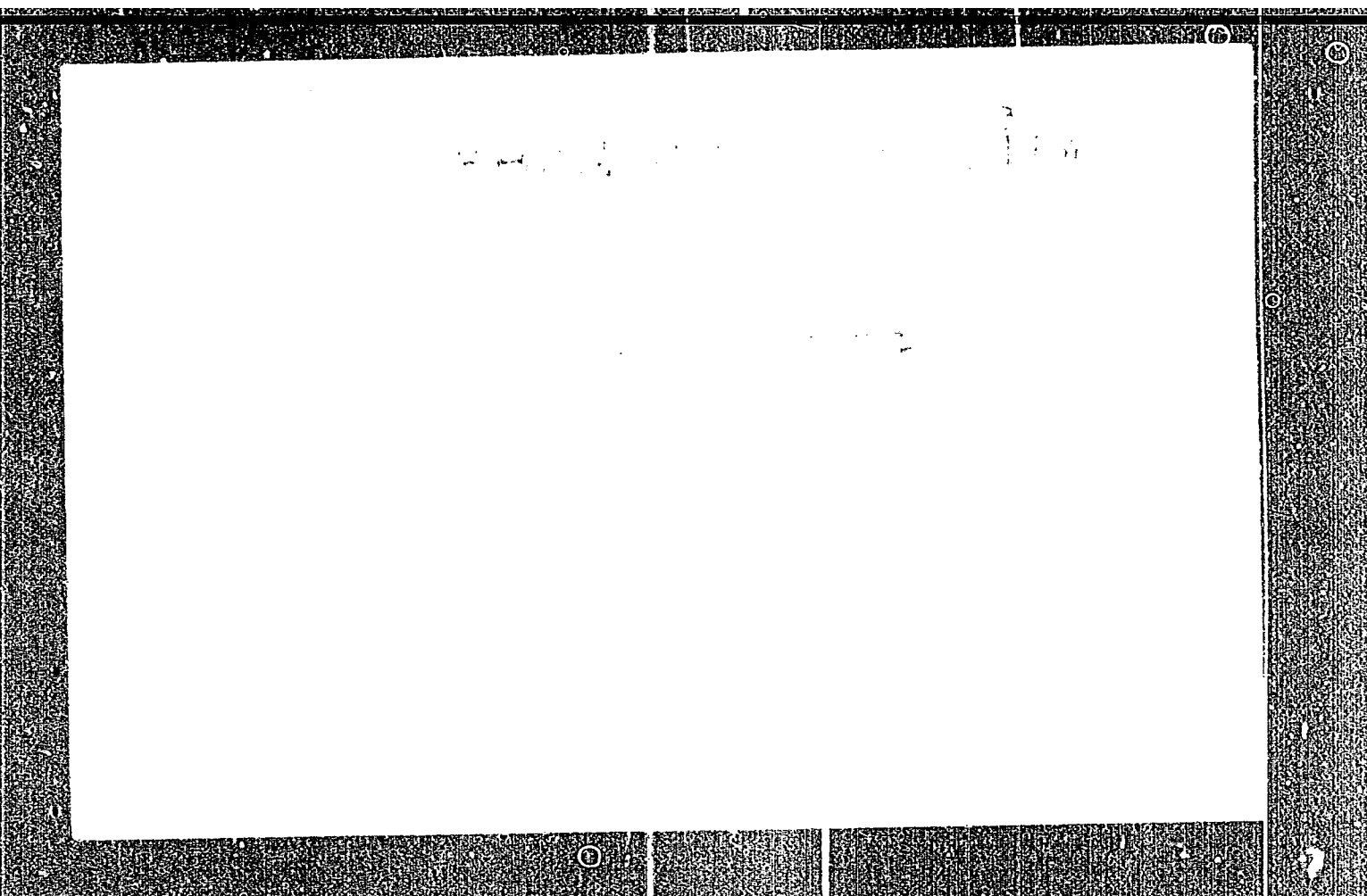
Advantage of one-man classification. p.16.

UJITOK LAPJA (Orszagos Talalmanyi Hivatal) Budapest. Vol 7, no. 16, Aug 1955.

SOURCE: EEAL, Vol 5, no. 7, July 1956.

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(1725:

Balász, J.; and Turán, P. Notes on Interpolation, III. Convergence. Acta Math. Acad. Sci. Hungar. 9 (1958), 195-214.

This investigation is a contribution to "lacunary" interpolation. If the interpolation points are $x_v = x_{v,n}$, $v=1, 2, \dots, n$, we form the polynomials

$$R_n(x) = \sum_{v=1}^n \alpha_v r_v(x) + \sum_{v=1}^n \beta_v \rho_v(x)$$

of degree $2n-1$ for which $R_n(x_v) = \alpha_v$ and $R_n''(x_v) = \beta_v$ are prescribed. The "fundamental polynomials" $r_v(x)$, $\rho_v(x)$ are uniquely determined. The authors investigate the particular case when the $x_{v,n}$ are the zeros of $(1-x^2) \times P_{n-1}'(x)$, P_n Legendre's polynomial, and study the convergence of $R_n(x)$, $n \rightarrow \infty$, associated with a given function $f(x)$, $\alpha_v = f(x_{v,n})$, β_v given constants. The following two principal results are obtained. Let $f'(x)$ be continuous with modulus $\omega(\delta)$ such that $\int_0^1 \omega(t) dt < \infty$. Let $n^{-1} \max_{(v)} |\beta_{v,n}| \rightarrow 0$ as $n \rightarrow \infty$. Then $R_n(x) \rightarrow f(x)$ uniformly in $-1 \leq x \leq 1$. Let $0 < \epsilon < 1$ be given; there exists $F(x) \in \text{Lip}(1-\epsilon)$ such that the associated polynomials $R_n(x)$ (even for $\beta_{v,n} = 0$) are unbounded for $x = 0$.

G. Szegő (Stanford, Calif.)

3
I.F.W.

8/1/1

BALAZS, J.: TURAN, P.

Notes on interpolation. IV. Inequalities. p. 243.

ACTA MATHEMATICA. (Magyar Tudományos Akademia) Budapest, Hungary. Vol. 9.
no. 3/4, 1958.

Monthly list of East European Accessions, (EEAI) LC, Vol. 9, No. 1, 1960.

Unol.

Remarks on the Hermite-Fejér Interpolation Theory (Polynomial Approximation)

16 2 1-F/W

7476:

Balázs, J. Bemerkungen zur Hermite-Fejérschen Interpolationstheorie. Acta Math. Acad. Sci. Hungar. 9 (1958), 363-377.

Let $f(x)$ be defined on $I: [-1, 1]$ and let $-1 \leq \xi_{1n} < \xi_{2n} < \dots < \xi_{nn} \leq 1$ ($n=1, 2, \dots$) be a system of points lying in that interval. The Hermite formula

$$H_n(f; x) = \sum_{r=1}^n f(\xi_{rn}) h_{rn}(x) + \sum_{r=1}^n \alpha_{rn} h_{rn}(x),$$

with

$$h_{rn}(x) = \left(1 - \frac{w_n''(\xi_{rn})}{w_n'(\xi_{rn})} (x - \xi_{rn})\right) (l_{rn}(x))^2,$$

$$h_{rn}(x) = (x - \xi_{rn}) (l_{rn}(x))^2,$$

$$w_n(x) = c(x - \xi_{1n}) \dots (x - \xi_{nn}) \quad (c \neq 0),$$

$$l_{rn}(x) = \frac{w_n(x)}{w_n'(\xi_{rn})(x - \xi_{rn})}, \quad \alpha_{rn} \text{ arbitrary},$$

yields a polynomial of degree $\leq 2n-1$ for which $H_n(f; \xi_{rn}) = f(\xi_{rn})$ and $H_n'(f; \xi_{rn}) = \alpha_{rn}$. L. Fejér initiated the study

of the convergence of H_n to f when the ξ 's are the zeros of the Jacobi polynomials. G. Freud [Acta Math. Acad. Sci. Hungar. 5 (1954), 109-128; MR 16, 694] recently studied this convergence when the ξ 's are the zeros of orthogonal polynomials corresponding to a general non-negative weight. P. Turán raised some questions as to what happens when the weighting function vanishes in the interval, and in answer to these questions the author has shown the following. Let $\xi_{1n}, \xi_{2n}, \dots, \xi_{nn}$ be the zeros of the polynomials $p_n(x)$ which are orthogonal on I with respect to the weight $p(x) = (1-x^2)^{-1} |x|^{2\mu+1}$ ($-1/2 < \mu < 0$). Let $f(x)$ be continuous on I and $|\alpha_{rn}| < \epsilon_{1n}$, $|\mu| > \delta \geq 0$. Then the corresponding sequence of polynomials H_n converges to f uniformly on I . Moreover, the "conjugate points" $x_{rn} = \xi_{rn} + p_n'(\xi_{rn})/p_n''(\xi_{rn})$ are everywhere dense in I . The orthogonal polynomials corresponding to the weight functions $(1-x^2)^{\mu} |x|^{\nu}$ have been determined by K. V. Laščenov [Leningrad. Gos. Ped. Inst. Uč. Zap. 89 (1953), 167-189; MR 17, 730].

P. J. Davis (Washington, D.C.)

1/4/97

BALAZS, J.

Remarks on the Hermite-Fejer interpolation theory. In German. p. 363.

ACTA MATHEMATICA. (Magyar Tudományos Akademia) Budapest, Hungary. Vol. 9, no. 3/4, 1958.

Monthly list of East European Accessions, (EEAI) LC, Vol. 9, no. 1, Jan. 1960.

Uncl.

BALAZS, J.

The work of Mihaly Fekete. p. 197.

MATEMATIKAI LAPOK. (Bolyai Janos Matematikai Tarsulat) Budapest, Hungary, Vol. 9,
No. 3/4, 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11, November 1959.
Uncl.

BALAZS, Janos (Budapest)

Weighted $(0,2)$ -interpolation on the roots of ultraspherical polynomials. Mat kozl MTA 11 no.3:305-338 '61.

1. Magyar Tudomanyos Akademia Matematikai Kutato Intezete, Budapest.

(Interpolation) (Polynomials) (Turan, Pal)
(Differential equations)

34566

S/044/62/000/001/011/061

C111/C444

16.4100 16.6500
AUTHOR: Balázs, János

TITLE: Notes on stable interpolation

PERIODICAL: Referativnyy zhurnal. Matematika, no. 1, 1962, 17,
abstract 1 B 95. (Mat. lapok, 1960, 11, no. 4, 280-293)

TEXT: One determines that "economical" stable interpolation polynomial

$$U_n(x) = \sum_{y=1}^n y_y u_y(x)$$

which in the n nodes

$$+1 > x_1 > x_2 > \dots > x_n > -1 \quad (1)$$

attains given real values y_y ($y = 1, 2, \dots, n$), and satisfies the following two conditions:

$$a) \quad 0 \leq (1-x^2)^{1+\alpha} \left| \sum_{y=1}^n y_y u_y(x) - \sum_{y=1}^n y_y^* u_y(x) \right| \leq \max_y \{ |y_y - y_y^*| (1-x_y^2)^{1+\alpha} \}$$

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Notes on stable interpolation

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where y_ν and y_ν^* ($\nu = 1, 2, \dots, n$) are arbitrary real numbers, and $\alpha > -1$.

b) the degree $U_n = \sum_{\nu=1}^n \{\text{degrees of the } y_\nu(x)\}$ is minimal.

The author proves that an interpolation polynomial which satisfies the conditions a) and b) is obtained if and only if the n points (1) are roots of the ultraspherical polynomial $\omega_n(x) = P_n^{(\alpha)}(x)$, $\alpha > -1$. Further on he proves that these interpolation polynomials converge to $f(x)$ for $-1 < x < +1$, if $f(x)$ is continuous for $-1 \leq x \leq +1$, if $y_{\nu n} = f(x)_{\nu n}$ ($\nu = 1, 2, \dots, n$; $n = 1, 2, \dots$), and if $n \rightarrow \infty$. This convergence is uniform in $-1 + \epsilon \leq x \leq 1 - \epsilon$ ($0 < \epsilon < 1$).

[Abstracter's note : Complete translation.]

Card 2/2

43330

S/044/62/000/011/011/064
A060/A000

16.6500

AUTHOR: Balázs, J., Turán, P.

TITLE: Notes on interpolation. VIII (Mean convergence in infinite intervals)

PERIODICAL: Referativnyy zhurnal, Matematika, no. 11, 1962, 19 - 20, abstract 11B89 (Acta math. Acad. scient. hung., 1961, v. 12, no. 3 - 4, 469 - 474; English; summary in Russian)

TEXT: For part VII see RZhMat, 1960, 5130. Say a triangular matrix of interpolation points $A = \|x_{kn}\|$, $k = 1, 2, \dots, n$; $n = 1, 2, 3, \dots$ is composed of the roots x_{kn} ($k = 1, 2, \dots, n$) of the orthogonal polynomials $q_n(x)$ ($n = 1, 2, 3, \dots$) corresponding to some differential weight $p(x)$ on the infinite interval $(-\infty, +\infty)$, so that $\int_{-\infty}^{+\infty} q_m(x) q_n(x) p(x) dx = 0$ for $m \neq n$. For the points x_{kn} situated in every column of the matrix A , a Lagrange interpolation polynomial $L_n(f, x)$ of the function $f(x)$ is constructed. It is required to find the conditions under which the sequence of interpolation polynomials $L_n(f, x)$ converges "in the mean" to the function $f(x)$, i.e.,

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Notes on interpolation. VIII

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A060/A000

$$\int_{-\infty}^{+\infty} \{f(x) - L_n(f, x)\}^2 p(x) dx \rightarrow 0$$

for $n \rightarrow \infty$. Theorem: Let the differential weight $p(x)$ satisfy the following conditions: $p(x) = \frac{h(x)}{g(x)}$, where the function $h(x) \geq 0$ and is integrable on the entire x axis, and the function $g(x)$ is even and has derivatives of all orders, where $g^{(2v)}(x) > 0$, $v = 0, 1, 2, \dots$, for any x ; moreover, for $x > 0$ the function $\ln g(x)$ is a convex function of $\ln x$ and

$$\int_0^{+\infty} \frac{\ln g(x)}{x^2} dx = +\infty.$$

If the function $f(x)$ is continuous on the entire axis, and

$$\lim_{x \rightarrow +\infty} \frac{f(x)}{\sqrt{g(x)}} = 0, \text{ then } \lim_{n \rightarrow \infty} \int_{-\infty}^{+\infty} \{f(x) - L_n(f, x)\}^2 p(x) dx = 0.$$

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A060/A000

Corrolary: If the matrix A is composed of the roots of the Hermite polynomials $H_n(x)$, then for every function $f(x)$ continuous on the whole axis, and satisfying

$$\lim_{x \rightarrow \infty} f(x) e^{-(\frac{1}{2} - \epsilon) x^2} = 0$$

(where $\epsilon > 0$ is an arbitrarily small number), the condition

$$\lim_{n \rightarrow \infty} \int_{-\infty}^{+\infty} \{f(x) - L_n(f, x)\}^2 e^{-x^2} dx = 0$$

is fulfilled.

V.F. Nikolayev

[Abstracter's note: Complete translation]

Card 3/3

BALAZS, Janos

An inequality of the Hermite polynomials. Mat lapok 12 no.1/2:
72-74 181

BALAZS, Janos, okleveles mernok; MARECHAL, Karoly, okleveles mernok

Economical selection of lead and tin-based slide bearings.
Koh lap 97 no.8:Suppl:Ontode 15 no.8:182-185 Ag '64.

L 32231-00

T/ENF(t)/BTI

IJP(c)

JD

ACC NR: AP6020817

SOURCE CODE: HU/0034/65/013/005/0411/0418

AUTHOR: Kovacs, Istvan; Balazs, Janos

ORG: Department of Experimental Physics, Eotvos Lorand Scientific University
(Eotvos Lorand Tudomanyegyetem Kiserleti Fizikai Tanszek)

TITLE: Electrical resistance of lattice defects in metals 16

52
B

SOURCE: Magyar fizikai folyoirat, v. 13, no. 5, 1965, 411-418

TOPIC TAGS: electric resistance, lattice defect, metal crystal, gold, silver, crystal lattice deformation

ABSTRACT: The resistance change observed in the ductile forming of polycrystalline metals was investigated theoretically and by experiments conducted at the temperature of 77°K. The forming included simultaneous stretching and twisting. Tests were performed on gold, silver, and copper. A clear relation between resistance increase and frequency of lattice dislocations and point defects was established. The data substantiating this conclusion were presented and verified on the basis of theoretical considerations. The authors thank Professor Elemer Nagy for valuable advice on this work. Orig art. has 3 figures, 5 formulas, and 2 tables. [JPRS]

SUB CODE: 20 / SUBM DATE: none / OTH REF: 026

LC
Card 1/1

BM 178, Josef

Examination and organization of manpower management of enterprises. Munka szomsz 9 no.2:49-53 F 165.

SZEGEDI, Bela; BALAZS, Juhász

The microdiffusion method in the determination of carbamide and total protein nitrogen in the blood. Kiserl. orvostud. 14 no.1: 62-67 Mr '62.

1. Agrartudományi Egyetem (Godollo) és Mezőgazdasági Akadémia
(Debrecen) Állatbonotani és Élettani Tanszék.
(BLOOD PROTEINS chem) (NITROGEN blood)
(UREA blood)

BALAZS, JULIA

Science

Untersuchungen über die Perioden- und Lichtkurvenänderungen von Kurzperiodischen & Cephei-Sternen IX. RV Ursae Majoris. Budapest, 1957. 43 p. (Budapest. Csillagvadász Intézet. Mitteilungen, Nr. 34-35)

Monthly List of East European Accessions (ELAI), LC, Vol. 3, No. 4, April 1959
Unclas.

L 18681-63

FCS(f)/EWT(1)/FCC(w)/BDS/ES(v) AFFTC/ESD-3 Pe-4 ENS/IJP
C/001/61/009/001-2/010/014

AUTHORS:

^(H)
Balazs, Julia; Detre, Laszlo (Translated by Chang Yu-che
(1728/6877/0772) of the Purple Mountain Observatory)

66

TITLE:

Work on RR Lyrae-Variables at the Budapest Observatory

PERIODICAL:

T'ien-wen Hsueh-pao, v. 9, nos. 1,2, 1961, 77-82

TEXT:

The authors review observations of RR Lyrae-stars made at the Budapest Observatory since 1932. The studies cover light and color curves, period changes of field and cluster variables, and the Blazk o-effect. Interpretation of the O-C diagrams and a working hypothesis for the Blazk o-effect are discussed briefly. The need of cooperation between the observatories in Nanking and Budapest, especially in work on variable AC And, is stressed.

ASSOCIATION: The Budapest Observatory, Hungary

1/1

BALAZS, Karoly

Debate about the branch offices of commercial transportation enterprises. Kozleked kozl 20 no. 29:484-485 19 J1 '64.

BALAZS, L.

Changes in the maps. p. 256 (Geodezia es Kartografia Vol. 8, no. 3, 1956 Budapest)

SO: Monthly List of East European Accession (EEM) 10, Vol. 6, no. 7, July 1957. Uncl.

BALAZS, L.

New planning, accounting, and wage systems of our enterprises.
p. 137. GEODEZIA ES KARTOGRAFIA. (Allami Foldmeresi es Terkep-
osseti Hivatal) Budapest. Vol. 8, no. 2, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress.
Vol. 5, No. 11, November 1956.

BALAZS, L.

An answer to Gyorgy Domokos's remarks. p. 254 (Geodezia es Kartografia Vol. 8, no. 3, 1956 Budapest)

SO: Monthly List of East European Accession (FEAL) IG, Vol. 6, no. 7, July 1957. Uncl.

BALAZS, L.; HARSY, M.; SZABO, J.

Remark about the reduction of light intensity in electroluminescent cells. Acta phys Hung 14 no.2 3:155-164 '62.

1. Forschungsinstitut für die Nachrichtentechnische Industrie und Forschungsinstitut für Technische Physik der Ungarischen Akademie der Wissenschaften, Budapest. Vorgelegt von G. Szigeti [Gyorgy Szigeti]

BALAZS, Lasso

Questions relating to land register in the Rumanian literature.
Geod kart 14 no.4:292-295 '62.

1. Csoportveseto fomernok, Allami Foldmeresi es Terkepesseti
Hivatal.

BALAZS, Lasso; BODAY, Lajos

Geodetic conference arranged by Bulgaria's societies for technology and natural sciences. Geod kart 14 no.4:306 '62.

1. Geoportvezeto fomerok, Allami Foldmeresi es Terkepesseti Hivatal (for Balass). 2. Pecsii Geodesiai es Terkepesseti Vallalat igazgatoja (for Boday).

BALAZS, László

On the court expert's work. Geod kart 14 no.5:346-347 '62.

1. Allami Foldmeresi es Terkepesseti Hivatal csoportvezeto fomerneke.

BAIAZS, Lasse

Remark about the account of improving suburban maps of Vas County.
Geod kart 14 no.6:438-440 '62.

1. Allami Földmérési és Terkepészeti Hivatal osztályvezető helyettes
főmérnöke.

BALAZS, László

Certain current questions relating to the making of large-scale maps. Geol kart 15 no.2:114-119 '63.

BALAZS, Laszlo

"Aerial atlas" by P. Deffontaines, M. Delamarre Jean-Brunhes.
Reviewed by Laszlo Balazs. Geol kart 15 no.2:147 '63.

BALAZS, László

Use of magnetophone in surveying. Geod kart 15 no.4:296 '63.

BALAZS, Laszlo

Effect of automation on cadastral surveys. Geod kart 15 no.6:
465-466 '63.

Surveying requirements in Southeast Asia. 466

Two new circle graduations in geodesy. 467

BALAZS, Iasslo; DETREKOI, Geza

What questions are raised during the land distribution and
land surveying in Szolnok County? Geod kart 16 no. 1: 46-52 '64.

BALAZS, Laszlo

"Mathematical instruments, equipment and machines" by D.
Boiangiu, E. Nicolau, C. Nita. Reviewed by Laszlo Balazs.
Geod kart 16 no. 1: 75-76 '64.

BALAZS, Laszlo; SCHUBER, Erno

Development of the geodetic and cartographic documentation system
in Hungary. Geod kart 16 no.3:190-196 '64.

BALAZS, Laszlo

Production, needs and supplies in grocery. Goodhart 16 no.4:
247-253 '64.

SZABO, Janos, dr.; BALAZS, Laszlo

International Conference on Luminescence in Torun. Hir techn
15 no. 2: 55-57 F '64.

BALAZS, László

Geodetic aspects of the more important statutory provisions
issued in 1964. Geod kart 17 no.1:49-51 '65.

HUNGARY

SZABO, Laszlo, Dr., Chief Veterinarian, and ~~BALAZS, Laszlo, Dr.~~, Veterinarian, Main Directorate for the National Farms at the Ministry of Agriculture (Foldmuvelésügyi Minisztérium Állami Gazdaságok Főigazgatósága) [location not given] (Veterinarian-in-Chief: BARABAS, Istvan, Dr., Candidate of Veterinary Sciences).

"Moldiness of Duck Eggs Caused by *Aspergillus Fumigatus* and Means of Controlling this Phenomenon"

Budapest, Magyar Allatorvosok Lapja, Vol 21, No 5, May 1966, pp 203-208.

Abstract: Instances of duck-egg moldiness, caused by *Aspergillus Fumigatus* were reported since 1963 on some state farms. The percentage of moldy eggs sometimes reached 30%. Spread of the fungus was assisted by transfer through the air, through the litter, and through the handling of the eggs. Spores form on the surface of the shell; after germination it penetrates the shell and then into the embryo. Disinfection and increasing the level of cleanliness, especially the use of sodium pentachlorophenolate, affected some remedy. Complete and permanent remedy can be achieved only by a long-range effort. No references.

1/1

- 232 -

BALAZS, Lorant; PUNCOR, Erno

Application of methyl glucamine as volumetric solution in acid determinations performed by high-frequency end point indication. Magy kem folyoir 67 no.9:395-397 S '61.

1. Eotvos Lorand Tudomanyegyetem Szervetlen es Analitikai Kemiai Tanszeke, Budapest.

PUNGOR, Erno; BALAZS, Lorand

Concentrating measuring limits of high-frequency titrimeters functioning around 130 Mc/s frequency range. Magyar Folyoir 66 no. 4:128-131 Ap'60.

1. Eotvos Lorand Tudományegyetem Szervetlen és Analitikai-Kémiai Intézete, Budapest.

L 47234-66 IJP(c) GG

ACC NR: AI6034305

SOURCE CODE: HU/0005/66/000/006/0257/0260

AUTHOR: Pungor, Erno; Balasz, Lorand

36 B

ORG: Department of Analytical Chemistry, University of the Chemical Industry, Veszprem
(Vegyipari Egyetem, Analitikai-Kemai Tanszek)

TITLE: Role of the dielectric constant in oscillometric measurements

SOURCE: Magyar kemai folyoirat, no. 6, 1966, 257-260

TOPIC TAGS: dielectric constant, electrolyte

ABSTRACT: New evidence is presented by the authors to show that the conductance and susceptance curves of high-frequency measurements, taken as a function of the logarithm of the electrolyte concentration, are only dependent on the physical characteristics of the measuring cell, and the Debye effect has no basic influence on them. Orig. art. has: 5 figures, 3 formulae and 2 tables. [Based on authors' Eng. abst.] [JPRS: 36,862]

SUB CODE: 20, 07 / SUBM DATE: 17Sep65 / SOV REF: 002 / OTH REF: 006

Card 1/1 hs

BALAYS, H.; BORSANI, D.; FROTH-SCHNEIDER, M.; HARTUNG, P.

Relations between the parts of an ensemble. Rev math
pures 8 no. 3:477-491. '63

BALAZS, Marta, dr.; KOVACS, Klara, dr.; SZÉKELY, Olga, dr.

A rare developmental anomaly of the stomach. Gyermekgyógyászat 12 no.4: 108-113 Ap '61.

1. Az Orvostovábbképző Intézet (Mb. igazgató: Dr. Barsony Jeno)
Prosecturájának (Főorvos: Dr. Vecsei Anna) és Gyermekgyógyászati
Osztályának (Főorvos: Dr. Steiner Béla) közleménye.

(STOMACH abnorm)

LEHOCZKY, Desso, dr.; BALAZS, Marta, dr.; KARDOS, Eva, dr.; PREKOPP, Lasso, dr.

Simultaneous presence of adenoma of the islets of Langerhans and peptic ulcer: Zollinger-Ellison syndrome. Orv. hetil. 102 no.53:2520-2524
D '61.

1. Orvostovábbképző Intézet és a Budapesti Orvostudományi Egyetem,
II Gyermekklinika.

(ISLET CELL TUMOR compl) (PEPTIC ULCER compl)

BALAZS, Marta, dr.; BARNA, László, dr.; KERTESZ, Tibor, dr.

Lipomatosis of the ileocecal valve. Orv. hetil. 103 no.5:218-220
F '62.

1. Orvostovábbképző Intézet, Kóronotani Intézet, Röntgen-Intézet és
Sebészeti Osztály.

(ILEUM neoplasms) (LIPOMA pathol)

BALAZS, Marta, dr.; BAN Ibolya, dr.; MAGYAR, Imre, dr.; RICHTER, Robert, dr.;
VECSEI, Anna, dr.

A study on the effect of aqueous liver extract and liver hydrolysate
on chronic liver disease in rats induced by carbon tetrachloride.
Orv. hetil. 104 no.8:342-344 24 P '63.

1. Orvostovábbképző Intézet, I. Belosztály, Kórkórtani Intézet és
Kísérleti Laboratórium.

(LIVER EXTRACTS) (LIVER DISEASES)
(CARBON TETRACHLORIDE POISONING) (LIVER FUNCTION TESTS)

BALAZS, M.; BORSAN, D.; FRODA-SCHUCHTER, M.; HAMBURG, P.

Relations among a multitude of parts. Rev math pures 8 no.3:
477-491 '63.

BALAZS, Marta, dr.; KISS, Csaba, dr.

On malignant degeneration of dermoid cysts of the ovary. Magyar. orv. lap 26. no. 5: 257-260 S '63.

1. Az Orvostovábbképző Intézet (mb. igazgató: Barsonyi Jeno dr.)
Prosecturájának (főorvos: Vecsei Anna dr.) és I. sz. Nőgyógyászati
Osztályának (főorvos: Györy György dr.) közleménye.

BALAZS, M.; BORSAN, D.; HAMBURG, P.

Relation compatibility. Studia Univ B-B S. Math-Phys 9 no.1:
7-19 '64.

BALASZ, Marta, dr.; HUTKAI, Pal. dr.

Chronic pernicious myocarditis. Orv. hetil. 105 no.27:1282-1284
5 JI'64

1. Orvostovábbképző Intezet, Kóronotani Intezet.

BALAZS, Marta; MEJNYI, I.

Concerning ureteral tumors. Acta Chir. Acad. Sci. Hung. 5
no.1:5-14 '64.

1. Pathologisches Institut (Chefarzt: Dr. Anna Veesei [deceased])
und Urologische Abteilung (Chefarzt: Dr. Gy. Farago) des Instituts
für Ärztliche Fortbildung, Budapest.

FOLDES, Pal, dr.; SZERI, Ilona, dr.; BANOS, Zsuzsanna, dr.; ANDERLIK, Piroska, dr.; BALAZS, Marta, dr.

Lymphocytic choriomeningitis virus infection in mice thymectomized shortly after birth. Orv. hetil. 105 no.45:2122-2126 8 N '64.

1. Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet (igazgató: Alföldy Zoltán dr.) és Orvostovábbképző Intézet, Kóronctani Tanszék (tanszékvezető: Lapis Károly dr.).

L 15916-66 T JK
ACC NR: AP6008381

SOURCE CODE: HU/0028/64/011/003/0277/0282 3/26

AUTHOR: Foldes, Pal (Budapest); Szeri, Ilona (Budapest); Banos, Zsuzsanna (Budapest); Anderlik, Pirogka (Budapest); Balasz, Marta (Budapest)

ORG: Foldes, Szeri, Banos, Anderlik Institute of Microbiology, Medical University of Budapest, Budapest (Budapesti Orvostudományi Egyetem, Mikrobiológiai Intézet); Balasz Institute of Pathology, Postgraduate Medical School, Budapest (Orvostovábbképző Intézet, Kortani Osztály)

TITLE: LCM infection of newborn thymectomized mice

SOURCE: Academia scientiarum hungaricae. Acta microbiologica, v. 11, no. 3, 1964, 277-282

TOPIC TAGS: mouse, virology, immunity, virus disease

ABSTRACT: In agreement with the observation by other authors, it was found that mice which underwent thymectomy when newborn, were later resistant to infection with the LCM virus. With respect to the thymectomized and virus infected mice, three types could be distinguished. 1) Typical or nearly typical incubation period,

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development of classical symptoms and lesions followed by death. In this group of animals, gross residues of the thymus were revealed by necropsy. 2) Death after a prolonged incubation (19-30 days). These animals developed wasting disease. 3) Survivors. The ICM virus was recovered from the brain and blood samples of the survivors, sacrificed in the period between 33-53 days of the experiment. The possible causes of delayed death and the immune status of the survivors are discussed on the basis of histological (brain, spleen, thymus) and hematological findings. The authors thank Dr. E. Kelemen, Postgraduate Medical School, Budapest, for valuable advice, Dr. M. Simon, Hungarian Army Medical Corps, for the virus strain, and Dr. E. Cholnoky, State Blood Transfusion Service for the experimental animals. Further thanks is extended to Miss M. Barbie for her careful and skilled technical assistance. Orig. art. has: 3 figures and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 16Jun64 / ORIG REF: 003 / OTH REF: 016

JW
Card 2/2

MOSONYI, L., prof.; SZILAGYI, G.; TOTH, B.; BALAZS, Marta; RUTKAI, P.

Pathogenesis of "endocrine" peptic ulcer. Acta med. acad. sci.
Hung. 21 no.1:51-57 '65.

1. Fourth Department of Medicine (Chief: Prof. L. Mosonyi)
Postgraduate Medical School and Department of Physiology
(Director: Prof. A. Kemény) Veterinary University, Buda-
pest.

HUNGARY

BALAZS, Marta, MAGYAR, Imre, RICHTER, Robert; Institute of Postgraduate Medical Education, I. Department of Internal Medicine and Department of Pathological Anatomy (Orvostovábbképző Intézet, I. Belgyógyászati Tanszék és Kóronctani Tanszék), Budapest.

"Study of the Effect of Chlorpromazine in Rats, the Liver of Which has Been Damaged with Carbon Tetrachloride."

Budapest, Kísérletes Orvostudomány, Vol XVIII, No 4, Aug 66, pages 343-346.

Abstract: [Authors' Hungarian summary] A comparison was made of the histological changes in the liver of rats treated with carbon tetrachloride alone, with chlorpromazine alone and with both compounds simultaneously. The cirrhotic degeneration of the liver developed more rapidly in response to the joint effect of the two compounds, regeneration was more intense and adenoma-like hyperregenerational isles developed. The pericholangitis and cholestasis caused by chlorpromazine has a role in the development of these phenomena. 1 Hungarian, 19 Western references. [Manuscript received 6 Jul 65.]

1/1

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BALAZS, O.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

347-455/458.001.4 : 545.18.001.4 : 545.83
39. Photometric micro methods for the rapid determination of sugar and phosphorus in the series analysis of fermentation samples - *Fotometriai mikro-működés cukor és foszfor meghatározására, nagy sorozatszámúak igényű vizsgálatai kísérletek* - O. Balázs. (Hungarian Journal of Chemistry - *Magyar Kémiai Folyóirat* - Vol. 59, 1953, No. 3, pp. 70-77, 7 fig., 3 tabs.)

Diluted glucose solutions yield an orange-red colour reaction when treated with phenol and concentrated sulfuric acid. The colour remains stable for a longer period of time. As the correlation between colour and concentration follows the Lambert-Beer law, the quantity of glucose is measurable by photometric methods in the concentration range of 30 to 900 mg glucose per 1000 ml. Amino acids, higher alcohols or organic acids do not interfere with the reaction but proteins give additive extinction values. — Phosphate determination by the Mison method, as a phospho-vanado molybdate complex, is converted to a new rapid photometric micro method yielding accurate results in the concentration range of 1.5 to 150 mg (PO₄⁻) per 1000 ml. The two methods are used for the analysis of fermentation experiments carried out in series on synthetic culture media.

O. B.

HUNGARY/Plant Physiology. Respiration and Metabolism

I-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91300

Author : Balazs O.

Inst : MS Hungary

Title : Studies on Plant Respiration. I. Electrometric Method of Continuous Measurement of Oxygen Consumed in Respiration

Orig Pub : Acta biol. Acad. sci. hung., 1957, 7, No 203, 301-313

Abstract : On the basis of two known methods of determining O_2 concentration in a stream of air (Toedt's diffusion method and polarographic method of gauging O_2 concentration) the author constructed a new device consisting of an automatic respirometer for a continuous measurement of O_2 concentration in an electronically controlled stream of air. The O_2 in a stream of air is recorded to gauge the amount of current with a highly sensitive galvanometer (10^{-8} - 2.8×10^{-7} a). The measurement was accomplished with the air stream speed of 8 liters per hour. The foreign gases present in the air stream (N_2 , CO_2 , water vapors, etc.) have no effect on the

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HUNGARY/Plant Physiology. Respiration and Metabolism:

I-2

Abs Jour : Ref Zhur - Biol., No 20, 1958, No 91300

precision of measuring the O_2 . The device indicates the absolute O_2 content in the air. The measurement of O_2 did not depend from a practical standpoint on the aggregate pressure of the air or the temperature. The article does not give a complete diagram of the apparatus. The work was carried out in the Budapest Research Institute of Agricultural Chemistry. -- N.I. Bidzilya

Card : 2/2

BALAZS, PAL

HUNGARY/Chemical Technology - Chemical Products and Their
Application. Part 1. - Corrosion, Protection from
Corrosion.

H-4

Abs Jour : Ref Zhur - Khimiya, No 7, 1958, 21845

Author : Pal Balazs.

Inst :

Title : Necessary Amount of Anticorrosion Moisture Adsorbent.

Orig Pub : Csomagolastechnika, 1956, 1, No 3-4, 19-22

Abstract : Conditions determining the necessary amount of adsorbent
protecting from moisture and used at the transportation
of packed wares are discussed.

Card 1/1

BALAZS, PAL
HUNGARY/Chemical Technology - Chemical Products and Their
Application, Part 1. - Corrosion, Protection

H-4

BALAZS, Peter, okl. gépészmérnök.

Trends of development in instrumentation and automation
in the metallurgical industry. Ipari energia 2 no.3:57-61
Nr '61.

1. Oádi Kohászati Üzemek.

KOVACS, Karoly Pal, dr., Kossuth-dijas akademikus; SZALAY, Jozsef, okleveles gepeszmernok; BALAZS, Peter; KREMER, Rudolf; KLIKA, Rene; SCHAEFER, Helmuth, dr. ing. (Karlsruhe); KISBOCSKOI, Lasso; TEBBE, Ernst; MEJRO, Sz. (Varso)

Instrumentation and automation in industrial power consumption.
Ipari energia 3 no.1/2:39-41 Ja-F '62.

1. Oadi Kohaszati Muvek (for Balass).

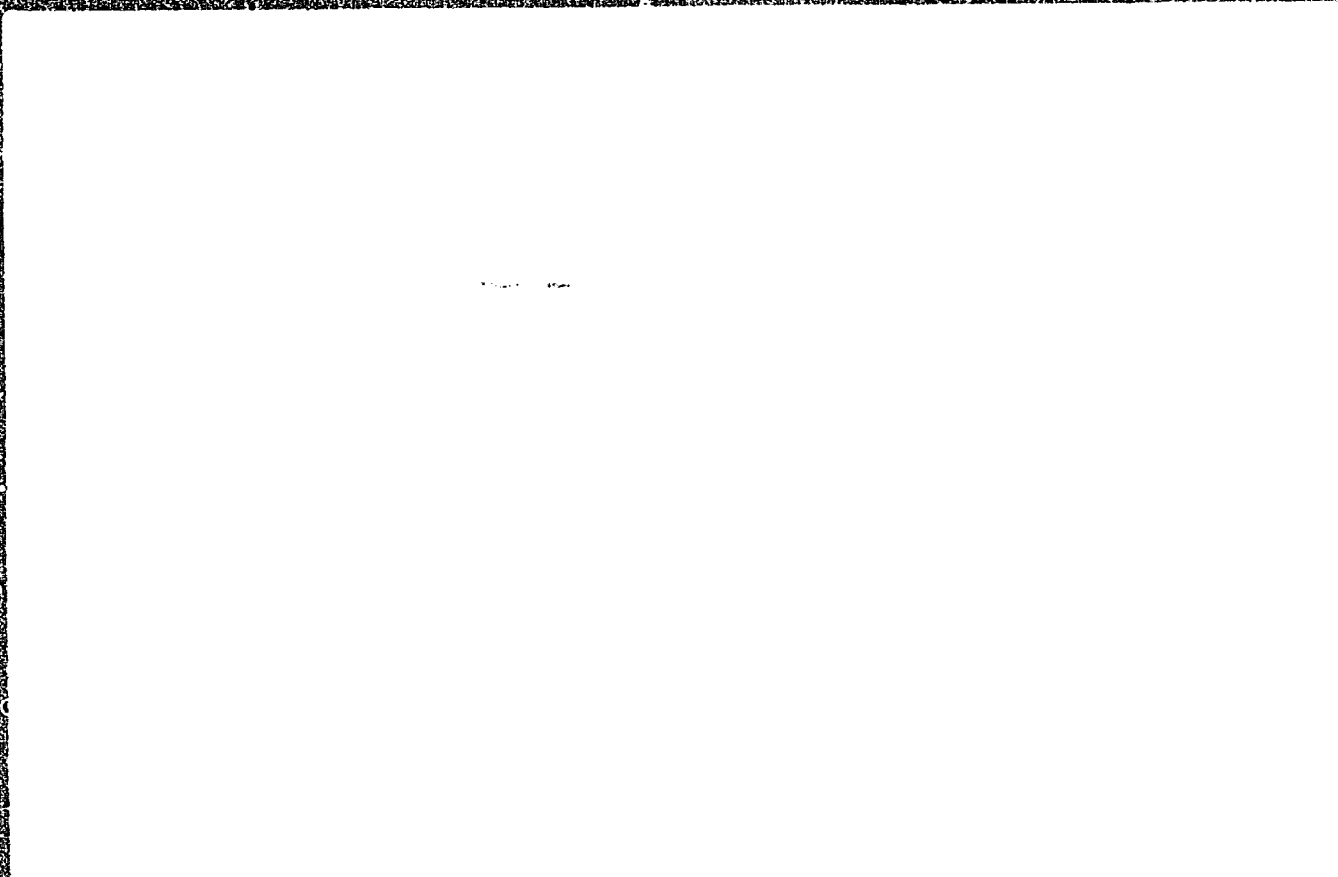
KOVACH, A.O.; BAGDY, D.; BALAZS, R.; ANTONI, F.; GERONLY, J.; MENYHART, J.; IRANYI, M.; KOVACH, E.

Traumatic shock and adenosine triphosphate. Acta physiol. hung.
3 no.2:330-344 1952. (CML 24:3)

1. Of the Institute of Biochemistry of Budapest University.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103



APPROVED FOR RELEASE: Wednesday, June 21, 2000

CIA-RDP86-00513R000103

BALÁZS R.

Chem. Inst., med. Univ., Budapest. *Wirkung von Glutaminsäure auf den Stoffwechsel des Gehirns. Effect of glutamic acid on cerebral metabolism ACTA PHYSIOL. ACAD. SCIENT. HUNG. (Budapest) 1954, 5/suppl. (35-36)

SO: EXCERPTA MEDICA - Section II, Vol. 7, No. 10

SZANTO, Gyorgy; SZEKELY, Otto; BALAZS, Robert; DEVAL, Gyorgy

Biological and metabolic factors influencing wound healing.
Magy. Tudom. Akad. Biol. Orv. Oszt. Kozl. 8 no.1-2:98-101
1957.

1. A Magyar Nephadsereg Eggessegugyi Szolgalata.

(WOUNDS AND INJURIES

healing, regional differences & role of various biol.
& metab. factors (Hun))

WILKES, T.; MARIAN, GY.

"On the genetic uniformity of two Hungarian mouse strains." In English.
p. 1.

ACTA BIOLOGICA. (Magyar Tudományos Akademia). Budapest, Hungary, Vol. 9,
No. 1, 1958.

Monthly list of East European Accessions (EEAI), IC, Vol. 8, No. 8,
August 1959.
Uncle.

VANKOS, Jozsef, dr.; DREISSIGER, László, dr.; BALAZS, Tamas, dr.

Data on the nosology of Peutz-Touraine-Jeghers syndrome. Orv. hetil.
103 no.14:651-656 Ap '62.

1. Budapesti Gyali uti Korhaz, Sebészeti és Borgyógyászati Osztály.

(POLYPI case reports)

HUNGARY

DREISSIGER, László MD, SIKOS, Arpad MD and BALAZS, Tamas MD of the Department of Surgery (Sebészeti Osztály) of the Gyali Street Hospital (Gyali uti Kórház) of the IX. District Council (IX. kerületi Tanács).

"Isolated 'Panniculitis' of the Mesentery of the Large Intestine"

Budapest, Orvosi Hetilap, Vol 103, No 47, 25 Nov 62; pp 2229-2231.

Abstract: [Authors' Hungarian summary] Authors describe a case in which they observed an isolated, non-specific inflammation, 'panniculitis' of the fat tissue of the mesentery of the large intestine. On the basis of literature data and their own case they bring up the possibility of an autoimmunizational pathomechanism. They wish to call the attention to the surgical significance of the abdominal form of this syndrome. [15 references, of which 7 Hungarian, rest Western].

1/1

DREISSIGER, Laszlo, dr.; SIKOS, Arpad, dr.; BALAZS, Tamas, dr.

Isolated panniculitis in the mesentery of the colon. Orv. hetil. 103
no.47:2229-2231 25 N '62.

1. IX. ker. Tanacs VB. Gyali uti Korhaz, Sebészeti Osztaly.
(MESENTERY) (PANNICULITIS)

1071125
PINTER, Miklos; BALAZS, Viktor

Research on etiology and epidemiology of infections with Coxsackie virus in Szeged. Orv. hetil. 95 no.35:941-945 29 Aug 54.

1. A szegedi Orvostudományi Egyetem Mikrobiológiai Intézetének (igazgató: Ivanovics György dr. egyetemi tanár) közleménye
(COXSACKIE VIRUSES, infection
etiol. & epidemiol. of infect. in Hungary)

BALAZS, V.,; PINTER, M.

Studies on Coxsackie virus infection in Hungary. II. Studies on neutralising antibodies against Fourteen different types of Coxsackie virus in individual and pooled human sera. Acta microb. hung. 2 no.4:429-433 1955

1. Institute of Microbiology, University Medical School, Szeged.

(COXSACKIE VIRUSES,

neutralising antibodies against 14 strains in individual & pooled human sera in Hungary)

(ANTIGENS AND ANTIBODIES,

Coxsackie virus antibodies against 14 strains in individual & pooled human sera in Hungary)

BALAZS, V., HORVATH, S.

Influenza in Szeged, 1953-54. In English. p. 241. ACTA
MICROBIOLOGICA. (Magyar Tudományos Akademia) Budapest.
Vol. 3, no. 3, 1956.

SOURCE: East European Accessions List (EEAL) Library of Congress,
Vol. 4, no. 12, December 1956.

SZOLLOSY, E.; BALAZS, V.

Effect of stimulation of the brain with electric current on the course of anaphylactic shock in guinea pig. Acta physiol. polon. 8 no.3: 540-542 1957.

1. Z Pracowni Patofizjologii Zakladu Patomorfologii PAN Kierownik: prof. dr L. Passkiewicz.

(BRAIN, physiology,

eff. of electrostimulation on exper. anaphylactic shock (Pol))

(ALLERGY, experimental,

eff. of brain electrostimulation on anaphylactic shock (Pol))

RESEARCH IN HUNGARY

BALAZS, Viktor; WINTER, Miklos; OSATI, Miksa

Clinical evaluation of C-reactive protein examinations by hemagglutination method. Orv. hetil. 98 no.46:1269-1271 17 Nov 57.

1. A szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikájának (igazgató: Hetenyi Géza dr. adademikus* közleménye.

(BLOOD PROTEINS, determ.

C-reactive protein, clin. evaluation of hemagglut. method (Hun))

BALACS, V.; HORVATH, S.

A quantitative seminicro tissue-culture method and its use in microbiology. I. Quantitative seminecrotissue-culture method. p. 415

ACTA MICROBIOLOGICA. (Magyar Tudományos Akadémia) Budapest, Hungary, Vol. 5, no. 4, 1958. In English

Monthly list of East European Accessions, (EEAI) 10, Vol. 9, no. 1, Jan. 1960

Uncl.

EXCERPTA MEDICA - Sec 6 Vol 13/9 Internal Fed. Sent 59

4937. CLINICAL USEFULNESS OF THE HAEMAGGLUTINATION TECHNIQUE FOR DETERMINATION OF C-REACTIVE PROTEINS - Beitrag zur klinischen Bewertung der Hämagglutinationsuntersuchungen des C-reaktiven Proteins - Balázs V., Winter M and Fröhlich M. I. Med. Klin., Saeged - Z. GES. INN. MED. 1958, 13/9-10 (353-356) Tables 3

A study of 250 patients leads to the conclusion that the haemagglutination technique is less specific, more prone to false positive reactions and technically more difficult than the immune serum method. However, the difficulties and expense of maintaining adequate supplies of immune serum are such that the haemagglutination method should still be considered a valuable substitute provided that the physician is aware of the fact that reactions at the 1:150 titre level are nonspecific while negative results or titres of 1:250 are specific. Peters - New York, N.Y.

HORVATH, Istvan, Dr.; BALAZS, Viktor, Dr.

Fatal Asian influenza with symptoms of encephalitis. Orv. hetil. 100 no.7:
267-268 15 Feb 59.

1. A Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikájának
(igazgató: Hetényi Géza dr. egyetemi tanár) közleménye.

(INFLUENZA, compl.

Asian influenza with sympt. of encephalitis, fatal case (Hun))
(ENCEPHALITIS, etiol. & pathogen.
same)

BENKO, Sándor; BALAZS, Viktor; FRÖHLICH, Margit; HORVÁTH, Éva; KOVÁCS, Kálmán;
FELKAI, Béla; RAK, Kálmán

Pulmonary arteritis and changes of serum lipoproteins in dogs
after intravenous administration of methylcellulose. Magyar.
belorv. arch. 13 no. 1:13-16 Mar '60.

1. A Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati
Klinikájának (igazgató: Hetyényi, Géza, dr. [deceased], egyetemi
tanár) és Kórházának Intézetének (igazgató: Korpássy, Béla, dr.,
egyetemi tanár) közleménye.
(METHYLCCELLULOSE pharmacol.)
(LIPOPROTEINS blood)
(PULMONARY ARTERY dis.)
(ARTERITIS exper.)

BALAZS, Viktor, dr.; CSERHATI, Istvan, dr.

Effectiveness of antibiotics in infections of urinary system.
Bacteriological and clinical studies. Orv. hetil. 101 no.18:
626-629 1 My '60.

1. Szegedi Orvostudományi Egyetem, I. sz. Belgyógyászati Klinika.
(URINARY TRACT INFECTIONS ther.)
(ANTIBIOTICS ther.)

BALAZS, Viktor, dr.; KOVACS, Gabor, dr.

"Acute phase reactions" in the postoperative period. Orv.hetl.
101 no.41:1455-1458 9 0 '60.

1. Szegedi Orvostudományi Egyetem, I. sz. Belgyógyászati Klinika
és I. sz. Sebészeti Klinika.

(SURGERY, OPERATIVE blood)

(C-REACTIVE PROTEIN)

(LEUKOCYTES)

(BLOOD SEDIMENTATION)

BALAZS, Viktor, dr.; CSERHATI, Istvan, dr.; SZARVAS, Ferenc, dr.;
VARRO, Vince, dr.

Relationship between bacterial flora of the upper part of the
gastrointestinal tract and gastric acidity. Orv.hetil. 101 no.48:
1697-1700 27 N°60.

1. Szegedi Orvostudományi Egyetem, I. sz Belgyógyászati Klinika.
(GASTRIC JUICE)
(GASTROINTESTINAL SYSTEM microbiol)

FRÖHLICH, Margit; BALAZS, Viktor

Defining the characteristics of the secretion of the gastrointestinal tract by a simple electrophoretic method. Kiserletes orvostud. 13 no.2:126-130 My '61.

1. Szegedi Orvostudományi Egyetem I.sz. Belgyógyászati Klinikája.
(GASTRIC JUICE chem.) (INTESTINES physiol.)

BALAZS, Viktor, dr.; CSAPO, Gabor, dr.; CSERHATI, Istvan, dr.; SZUCS, Zsuzsanna, dr.

Studies on the relationship between diabetes and urinary tract infection. Orv.hetil. 102 no.11:500-502 12 Mr '61.

1. Szegedi Orvostudományi Egyetem, I. Belklinika.
(DIABETES MELLITUS compl)
(URINARY TRACT INFECTIONS compl)

RAJAZS, Viktor; BACKHAUSZ, Richard; FROHLICH, Margit; BENKO, Sandor

Immuno-chemical investigation of the serum-protein changes of
experimental storage reticulosis. Biol orv kozl MTA 11 no.4:441-455
'60. (EEAI 10:5)

1. Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikája
és a Human Öltanyagtermelő és Kutató Intézet, Budapest.

(RETICULOSIS)
(SERUM PROTEIN)
(IMMUNOCHEMISTRY)

BALAZS, V.; CSERHATI, I.

Some diagnostic and therapeutic problems of bacteraemia in the antibiotic era. Acta med. hung. 17 no.3/4:207-214 '61.

1. First Department of Medicine, University Medical School, Szeged.

(SEPTICEMIA therapy) (ANTIBIOTICS therapy)

BALAZS, Viktor, dr.; CSERHATI, Istvan, dr.

Effect of antibiotics in urinary infections. II. Changes of bacterial count and development of resistance during streptomycin therapy. Orv.hetil. 102 no.4:158-161 22 Ja'61.

1. Szegedi Orvostudományi Egyetem, I. Belgyógyászati Klinika.
(STREPTOMYCIN ther)
(ESCHERICHIACOLI INFECTIONS ther)
(URINARY TRACT INFECTION ther)

HUNGARY

BENKO, Sándor; BALAS, Viktor; FROHLICH, János; HOVÁTH, Eva; KOVACS, Kálmán; CSAKADI, Miklós; FÉLÉNYI, Béla; JAK, Kálmán; 1. Clinic of Internal Medicine and Institute of Pathological Anatomy of the Medical University (Orvostudományi Egyetem 1. sz. Széklínika és Kórházani Intézet), Szeged.

"Pulmonary Granuloma upon the Administration of Methylcellulose Intravenously and the Effect of Cortisone and of the Filtrate of Escherichia Coli Liquid Cultures."

Budapest, Kisebület Orvostudomány, Vol 14, No 5, Oct 62, pp 515-519.

Abstract:[Authors' Hungarian summary] Continuous, intravenous administration of methylcellulose results in the development of proliferative pulmonary arteritis and an increase in the serum cholesterol level. Cortisone administration has no effect on the latter but it reduces the proliferative blood vessel inflammation. Coli culture filtrate lowers the cholesterol and cholesterol ester levels significantly and also the methylcellulose and lipid deposition.
1/1 [11 references, mostly Hungarian.]

CSERNATI, Istvan, dr.; BALAZS, Viktor, dr.

Some diagnostic and therapeutic problems of bacteremia in the era of antibiotics. Magy. Belorv. arch. 15 no.3:90-93 Je '62.

1. Szegedi Orvostudományi Egyetem I. sz. Belgyógyászati Klinikájának
(igazgató: Julesz Miklós dr. egyetemi tanár) közleménye.
(ANTIBIOTICS ther) (SEPTICEMIA)

BENKO, Sander; BALAZS, Viktor; FROHLICH, Margit; HORVATH, Eva; KOVACS, Kalman;
CSANADI, Miklos; FELKAI, Bela; RAK, Kalman

Pulmonary granuloma caused by the intravenous administration of
methylcellulose and its sensitivity to cortisone and to Escherichia
coli culture broth. Kiserl. orvostud. 14 no.5:515-519 0 '62.

1. Szegedi Orvostudományi Egyetem I. sz. Belklinika és Kóronctani
Intézet.

(LUNG)	(GRANULOMA)	(METHYLCELLULOSE)
(ESCHERICHIA COLI)	(CORTISONE)	(BLOOD CHOLESTEROL)

FROHLICH, Margit, BALAZS, Viktor; Medical University of Szeged, I. Medical Clinic (Szegedi Orvostudományi Egyetem I. sz. Belklinika).

"Analysis of a Cryoglobulin Which Contains Nucleoproteins."

Budapest, Kiserletes Orvostudomány, Vol XV, No 4, Aug 1963, pages 344-350.

Abstract: [Authors' Hungarian summary] The results of detailed chemical analyses of a cryoglobulin are reported which has been isolated by repeated cold-precipitation from the blood of a patient with purpura cryoglobulinemica. Ninety six per cent of the cryoglobulin tested consists of a protein component with a sedimentation constant of 6.1 S. Its UV spectrum resembles that of ribonucleoproteins. It contains large amounts of basic amino acids, and purine and pyrimidine bases corresponding to those of ribonucleoproteins. The possibility of a relation between nucleic acid content and pathological protein production is under investigation. 1 Hungarian, 11 Western references.

1/1

BALAZS, Viktor, Dr, FROLICH, Margit, Dr, SZEPESY, Gabor, Dr, CSATI, Miksa, Dr; Medical University of Szeged, I. Medical Clinic and Central Research Laboratory (Szegedi Orvostudományi Egyetem, I. Belklinika és Kózponti Kutató Laboratórium).

"Properties of Isolated Kryoglobulins, Similar to Those of the 'Rheumatoid Factor'."

Budapest, Orvosi Hetilap, Vol 104, No 33, 18 Aug 1963, pages 1552-1554.

Abstract: [Authors' Hungarian summary] Kryoglobulin was isolated from 10 patients with different diseases. Their agglutination with latex particles and with gamma globulin which was bound to tanninized erythrocytes, and their Waaler-Rose reaction were investigated. Kryoglobulins, with one exception, which contained 7 S and 17-21 S components caused latex-agglutination, and agglutination of erythrocytes with gamma globulin tracer. The one exception exhibited a difference in other physical-chemical properties as well. Kryoglobulins which contained 7 S gamma globulin or B₂ M-globulin alone, gave negative reactions. Heparin had no effect on the reactions investigated, or on the cold precipitation of kryoglobulins. 1 Hungarian, 17 Western references.

1/1

BALAZS, Viktor, dr.; FROLICH, Margit, dr.; SZCPESY, Gabor, dr.;
CSATI, Miksa

Characteristics of separated cryoglobulins resembling the
rheumatoid factor. Orv. hetil. 104 no.33:1552-1554 18 Ag '63.

1. Szegedi Orvostudományi Egyetem, I Belklinika és Kósponti
Kutató Laboratorium.

(CRYOGLOBULINS) (GAMMA GLOBULIN)
(HEPARIN) (RHEUMATOID FACTOR)

BALAZS, Viktor, dr.

The albumin content of gastrointestinal secretion under normal and pathological conditions. Orv.hetil. 104 no.50:2449-2456 29 D '63.

1. Szegedi Orvostudományi Egyetem, I. Belklinika.

JULESZ, M.; TIBOLDI, T.; SZALMA, J.; LASZLO, Ilona; KOVACS, K.; SZARVAS, F.;
BALAZS, V.; FRÖHLICH, Margit; TOTH, I.

Effect of thyrotropic hormone on granulation tissue. Acta physiol.
acad. sci. Hung. 25 no.1:71-81 '64.

1. First Department of Medicine and Department of Ophthalmology,
University Medical School, Szeged.

BALAZS, Viktor, dr.; SZALMA, Jozsef, dr.; FROHLICH, Margit, dr.

Autoantibodies in pernicious anemia and in other achlorhydric conditions. Orv. hetil. 105 no.37:1729-1733 13 S '64.

1. Szegedi Orvostudományi Egyetem, I Belklinika (igazgató: Julesz Miklos dr.).